



## SMA Male Connector Solder Attachment for SPP-250-LLPL, Low PIM

### RF Connectors Technical Data Sheet

PE45433

#### Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- SPP-250-LLPL Interface Type
- Solder/Solder Attachment

#### Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- PIM levels lower than -160 dBc
- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies
- Low PIM Interconnects
- Distributed Antenna Systems (DAS)
- Low PIM Jumpers
- Low PIM Testing
- Low PIM Connections

#### Description

Pasternack's PE45433 SMA male connector with solder/solder attachment for SPP-250-LLPL is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. The SMA male connector also has low passive intermodulation of -160 dBc.

Our SMA male connector PE45433 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

| Description             | Minimum | Typical | Maximum | Units |
|-------------------------|---------|---------|---------|-------|
| Frequency Range         | DC      |         | 6       | GHz   |
| VSWR                    |         |         | 1.3:1   |       |
| Insertion Loss          |         |         | 0.1     | dB    |
| Passive Intermodulation |         |         | -160    | dBc   |
| Operating Voltage (AC)  |         |         | 250     | Vrms  |
| Insulation Resistance   | 5,000   |         |         | MOhms |

Electrical Specification Notes:  
Insertion Loss is  $0.04 \times \sqrt{f(\text{GHz})}$

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for SPP-250-LLPL, Low PIM PE45433](#)



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**Material Specifications**

| Description  | Material        | Plating   |
|--------------|-----------------|-----------|
| Contact      | Brass           | Gold      |
| Insulation   | PTFE            |           |
| Body         | Brass           | Tri-Metal |
| Coupling Nut | Brass           | Tri-Metal |
| Gasket       | Silicone Rubber |           |

**Environmental Specifications**

**Temperature**

Operating Range -55 to +165 deg C

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for SPP-250-LLPL, Low PIM PE45433](#)

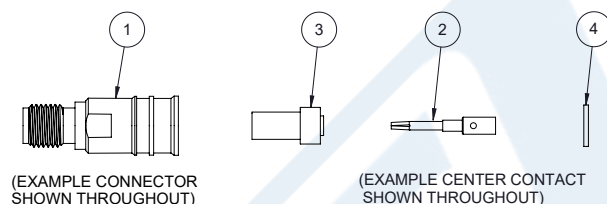


## SMA Male Connector Solder Attachment for SPP-250-LLPL, Low PIM

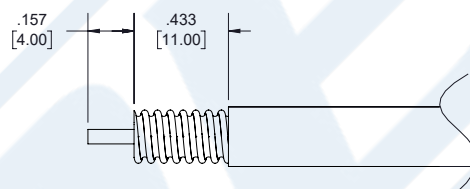
### RF Connectors Technical Data Sheet

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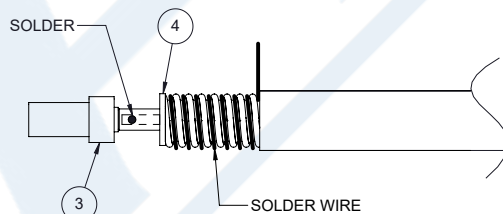
#### Assembly Instruction



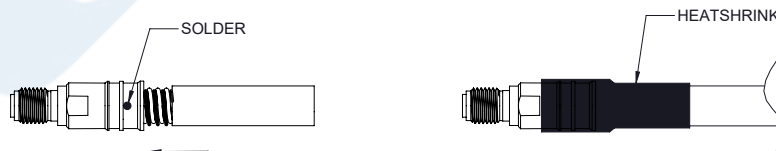
1. STRIP CABLE AS SHOWN, CHAMFER CENTER CONDUCTOR AND DEBURR CABLE.



2. SLIDE THICKER INSULATOR ③ OVER CENTER CONTACT AND SLIDE THINNER INSULATOR ④ OVER CABLE CENTER CONDUCTOR. INSERT CENTER CONTACT AND SOLDER. WRAP THE CABLE BY SOLDER WIRE.



3. PUSH THE CONNECTOR BODY INTO THE CABLE, UNTIL IT STOPS. SOLDER THE CONNECTOR BODY WITH CABLE AND COVER HEATSHRINK SLEEVE.



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## SMA Male Connector Solder Attachment for SPP-250-LLPL, Low PIM

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SMA Male Connector Solder Attachment for SPP-250-LLPL, Low PIM from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

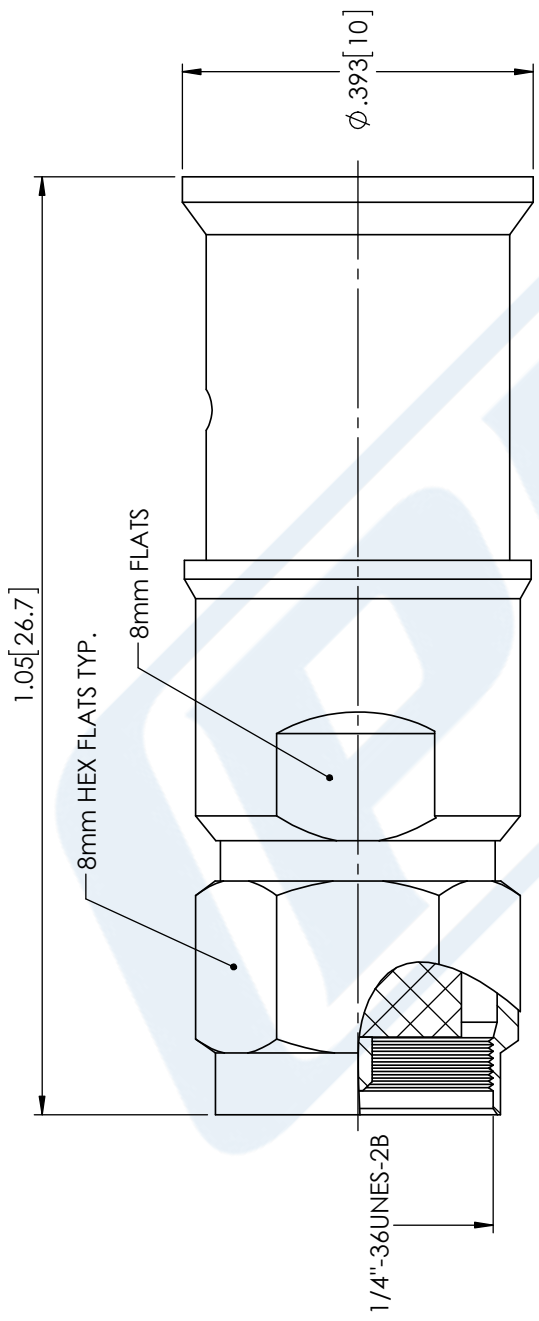
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for SPP-250-LLPL, Low PIM PE45433](https://www.pasternack.com/sma-male-spp-250-llpl-connector-pe45433-p.aspx)

URL: <https://www.pasternack.com/sma-male-spp-250-llpl-connector-pe45433-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE45433 CAD Drawing

SMA Male Connector Solder Attachment for SPP-250-LLPL, Low PIM



| STANDARD TOLERANCES |        |
|---------------------|--------|
| .X                  | ±0.2   |
| .XX                 | ±0.01  |
| .XXX                | ±0.005 |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

**[PE]**

**PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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DWG TITLE  
PE45433

CAGE CODE 53919

NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE 11/23/17

SCALE N/A

SIZE A

CN2245